

# Converting Colors

Yxy(51.5199, 0.2965, 0.2603)

Have a look what the booklet for  
Yxy(51.5199, 0.2965, 0.2603)  
contains.

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# Color

**Yxy(51.5199, 0.2965, 0.2603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6B0EE
RGB	214, 176, 238
RGB Percent	84%, 69%, 93%
CMY	0.1608, 0.3098, 0.0668
CMYK	0.10, 0.26, 0.00, 0.07
HSL	277°, 65%, 81%
HSV	277°, 26%, 93%
XYZ	58.6848, 51.5199, 87.7204
YIQ	194.4300, 2.7460, 27.3380

# Conversions

## Conversions Part 2

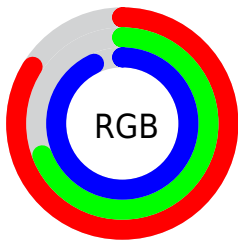
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	214, 176, 238
Decimal	14069998
CIE Lab	76.99, 24.93, -25.77
CIE LCh	77, 35.852, 314.054
Yxy	51.5199, 0.2965, 0.2603
Android (android.graphics.Color)	4292260078 (0xFFD6B0EE)
YUV	194.4300, 21.4800, 17.1629
Hunter-Lab	71.7774, 20.3303, -22.2152

# Details

The Yxy color **51.5199, 0.2965, 0.2603** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **76.5481, 0.3252, 0.4000**, and the grayscale version is **54.0865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.9142, 0.2917, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **41.6461, 0.2884, 0.2318**, and if you desaturate by 10%, it is **63.1122, 0.3035, 0.2879**.

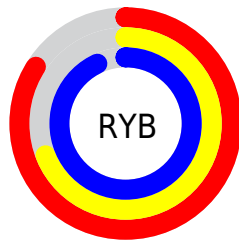
# Distribution



Red (84%)

Green (69%)

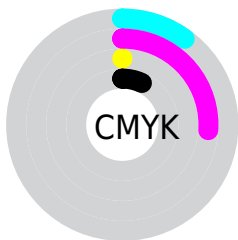
Blue (93%)



Red (84%)

Yellow (69%)

Blue (93%)

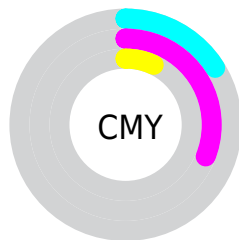


Cyan (10%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (31%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5199, 0.2965, 0.2603 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 51.5199, 0.2965, 0.2603 by changing the saturation by 10% instead.





 51.5199, 0.2965,  
0.2603

 51.5199, 0.2965,  
0.2603


392.5803, 0.3050,  
0.2923

 36.6225, 0.2943,  
0.2530


 92.4228, 0.2996,  
0.2714

 24.9154, 0.2915,  
0.2440


119.1971, 0.3008,  
0.2757

 16.0140, 0.2877,  
0.2326


150.6993, 0.3018,  
0.2794

 9.5341, 0.2825,  
0.2178

187.3136, 0.3026,  
0.2827

 5.0911, 0.2747,  
0.1979

229.4244, 0.3033,  
0.2855

 2.3008, 0.2623,  
0.1700

277.4162, 0.3039,

 0.7742, 0.2405,

0.2880

0.1283

331.6734, 0.3045,  
0.2903

0.0000, 0.1611,  
0.0000

0.0000, 0.0000,  
0.0000

51.5199, 0.2965,  
0.2603

51.5199, 0.2965,  
0.2603

41.6461, 0.2884,  
0.2318

63.1122, 0.3035,  
0.2879

33.3975, 0.2794,  
0.2035

76.4970, 0.3096,  
0.3141

26.6820, 0.2695,  
0.1763

91.7515, 0.3146,  
0.3384

21.3951, 0.2591,  
0.1517

98.1701, 0.3200,  
0.3455

■ 17.4189, 0.2485,  
0.1310

■ 98.9516, 0.3226,  
0.3454

■ 14.6156, 0.2381,  
0.1151

■ 12.8152, 0.2284,  
0.1044

■ 12.2711, 0.2247,  
0.1011

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5199, 0.2550, 0.2515



51.5199, 0.2965, 0.2603



51.5199, 0.3459, 0.2841

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5199, 0.2965, 0.2603



51.5199, 0.4011, 0.3923



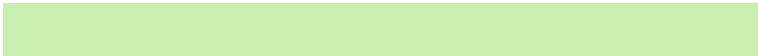
51.5199, 0.2413, 0.3333

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.5199, 0.2965, 0.2603



76.5481, 0.3252, 0.4000

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.5199, 0.2764, 0.3808



51.5199, 0.2965, 0.2603



51.5199, 0.3688, 0.4145

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.5199, 0.2965, 0.2603



51.5199, 0.4090, 0.3569



51.5199, 0.3229, 0.4119



51.5199, 0.2252, 0.2891



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5199, 0.2965, 0.2603



51.5199, 0.3760, 0.3062



51.5199, 0.3229, 0.4119



51.5199, 0.2511, 0.3497

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.5221, 0.2965, 0.2603



86.2011, 0.3084, 0.3090



57.0818, 0.2705, 0.2850



17.9289, 0.3076, 0.3051



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5221, 0.2965, 0.2603



54.1633, 0.2925, 0.2459



55.0417, 0.3206, 0.2702



15.7083, 0.3076, 0.3053



6.9244, 0.2261, 0.1019



0.6332, 0.2384, 0.1087



# Inverse Universe

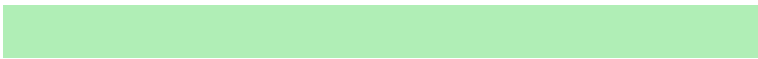
The Inverse Universe completely reimagines the original color for something new.



53.3979, 0.3471, 0.3028



56.7738, 0.3561, 0.2975



73.7522, 0.3056, 0.3959



15.8601, 0.3232, 0.3199



10.5967, 0.5430, 0.2765



0.9005, 0.5076, 0.2570



# Previews

## White Background



This preview shows how the Yxy color 51.5199, 0.2965, 0.2603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

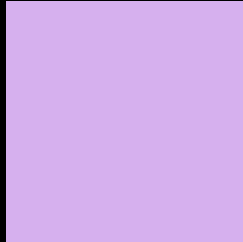
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5199, 0.2965, 0.2603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.5199, 0.2965, 0.2603**

## Background



This preview shows how black text looks on a background with the Yxy color 51.5199, 0.2965, 0.2603.



This preview shows how white text looks on a background with the Yxy color 51.5199, 0.2965, 0.2603.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.5199, 0.2965, 0.2603

### Protanopia

51.7958, 0.2629, 0.2597

### Deuteranopia

51.4882, 0.2764, 0.2700



## Tritanopia

51.3541, 0.3220, 0.3112

# Trichromacy



**Original Color**

51.5199, 0.2965, 0.2603

**Protanomaly**

51.6315, 0.2740, 0.2598

**Deuteranomaly**

51.3061, 0.2835, 0.2655

**Tritanomaly**

51.1483, 0.3120, 0.2906

# Monochromacy



**Original Color**

51.5199, 0.2965, 0.2603

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

52.6113, 0.3067, 0.3017

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5199, 0.2965, 0.2603 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(214, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(214, 176, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(214, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 176, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5199, 0.2965, 0.2603 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 176, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(214, 176, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(214, 176, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 176, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 176, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 176,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5199, 0.2965, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 176, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(214,  
176, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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